



UPG
STAY POWERED™

Sealed Lead-Acid Battery

UPG No. D5733

UB645

Maintenance-Free

Absorbant Glass Mat (AGM) technology for superior performance. Valve regulated, spill proof construction allows safe operation in any position. Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified. U.L. recognized under file number MH 20567.

Specification

Nominal Voltage			6 volts
Nominal Capacity			77° F (25° C)
20-hr. (0.23A)			4.5 Ah
10-hr. (0.42A)			4.19 Ah
5-hr. (0.77A)			3.83 Ah
1-hr. (2.70A)			2.7 Ah
Approximate Weight			1.59 lbs (0.7 kg)
Internal Resistance (approx.)			18mΩ
Shelf Life (% of normal capacity at 77° F (25° C))			
3 Months	6 Months	12 Months	
91%	82%	64%	
Temperature Dependency of Capacity			(20 hour rate)
104° F (40°C)	77° F (25°C)	32° F (0°C)	5° F (-15°C)
102%	100%	85%	65%
AGM Operational Temperature			
Charge	32°F to 104°F (0°C to 40°C)		
Discharge	5°F to 113°F (-15°C to 45°C)		
AGM Storage Temperature			5°F to 104°F (-15°C to 40°C)



Due to continuous improvements to our products, product may vary slightly from depiction.

Charge Method (Constant Voltage)

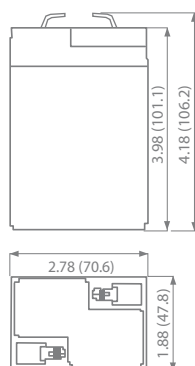
Cycle Use (Repeating Use)

Initial Current	1.35 A or smaller
Control Voltage	7.25-7.45 V

Float Use

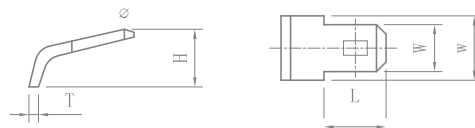
Control Voltage	6.80-6.90 V
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Physical Dimensions: in (mm)



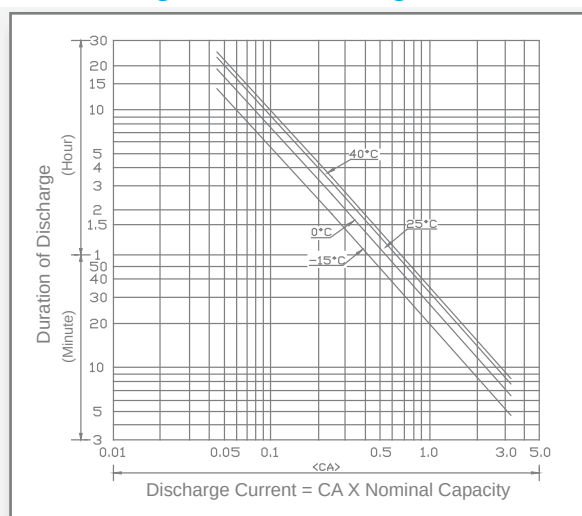
L: 2.78 in (70.6 mm)
W: 1.88 in (47.8 mm)
H: 3.98 in (101.1 mm)
TH: 4.18 in (106.2 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.

Terminals

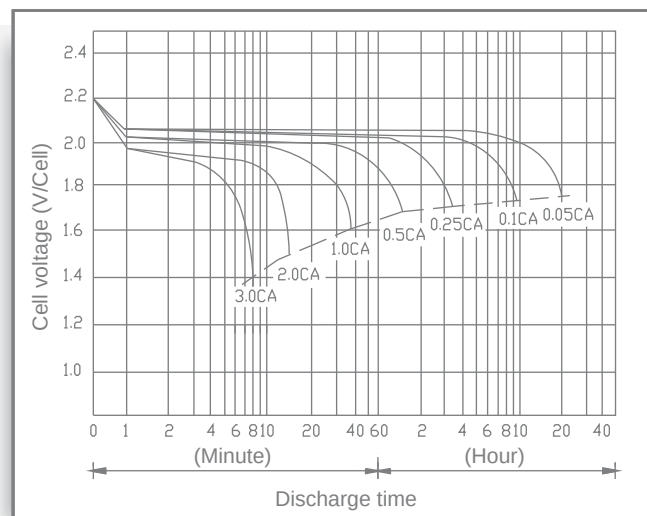


Dimension Type	L	W	w	H	T
F1	6.50	4.75	6.00	5.00	0.80

Discharge Time vs. Discharge Current



Discharge Characteristics



ISO 9001:2008

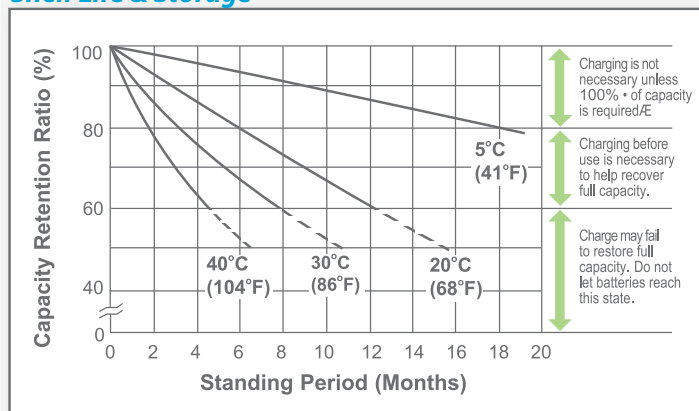
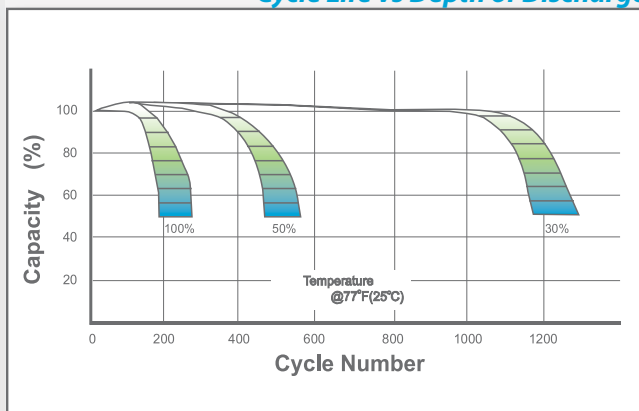
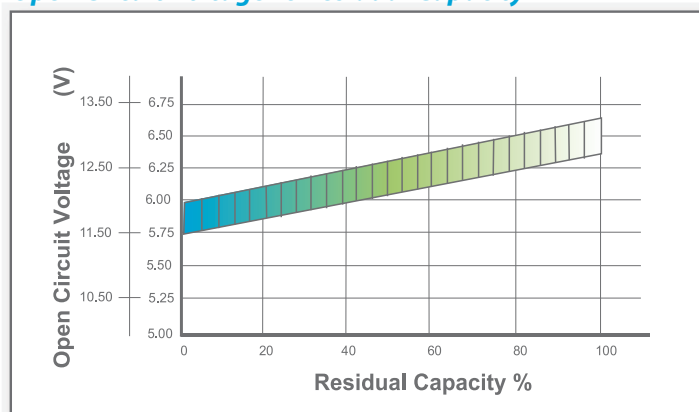
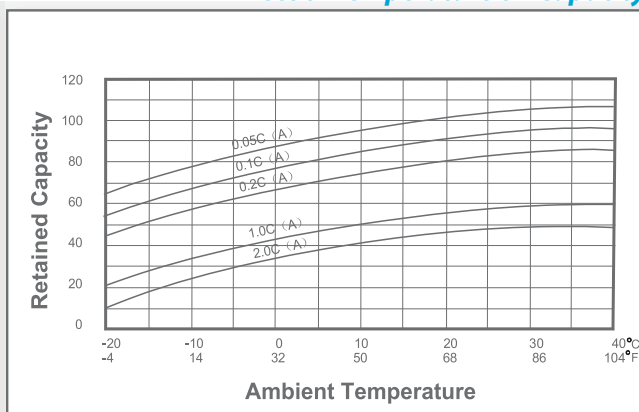
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All specifications subject to change without notice.

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Shelf Life & Storage**Cycle Life vs Depth of Discharge****Open Circuit Voltage vs Residual Capacity****Effect of Temperature on Capacity****Charge Current & Final Discharge Voltage**

Application	Charge Voltage(V/Cell)			Max.Charge Current	Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
	Temperature	Set Point	Allowable Range						
Cycle Use	25°C(77°F)	2.45	2.40~2.50	0.30 C	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C(77°F)	2.30	2.27~2.30						